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KOREAN PATENT ABSTRACTS

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(71)Applicant: HANLAB CORPORATION

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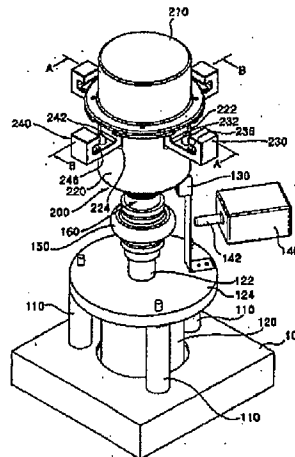
(54) AUTOMATIC BALANCED CENTRIFUGAL MACHINE

(57) Abstract:

PURPOSE: Provided is an automatic balanced centrifugal machine which horizontally moves a rotor lever or a balance weight part to correct imbalance of centrifugal force so that it prevents vibration during centrifugal separation.

CONSTITUTION: The automatic balanced centrifugal machine comprises the parts of: not less than one rotor levers(230,240) which include reagents at both edges; a rotor(200) which supports the rotor lever to be moved horizontally; a lever movement tool which is placed inside the rotor to move the rotor lever horizontally at the rotational center line of the rotor;

a weight detection tool which is placed in the rotor lever to sense weight at both edges of the rotor lever; a centrifugal separation motor(120) which rotates the rotor; an electric connection tool which connects or cuts off the weight detection tool and the lever movement tool to an external electric circuit; and a control tool which controls the electric connection tool to connect the external electric circuit, the weight detection tool and the lever movement tool and calculate weight at both edges of the rotor lever to keep centrifugal forces at both edges of the rotor lever balanced.



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